

b

**god couldn't be everywhere  
so he created me**

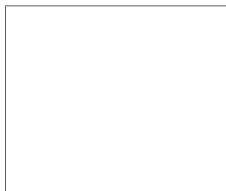
13 Apr.

STAT



—

Here're the msgs  
you requested. Always  
glad to help out the  
boys on the front.



STAT

5 CORONET 6470

UNCLASSIFIED

OPERATIONS DIRECTORATE

AM

ROUTINE  
R 240130Z MAR 87 ZFG  
FM COMUSKOREA INTEL CP TANGO KOR //BJ//  
TO DIA WASHDC  
INFO DA WASHDC //DAMI-ZA/DAMI-AM//  
USCINCPAC HONOLULU HI //J2/J27//  
KDCH FT SHAFTER HI DIA WASHDC //RS/VP//  
COMUSKOREA SEOUL KOR //BJ-KISS//  
COMIPAC HONOLULU HI //DS//  
CINCUSAREUR HEIDELBERG GE //AEAGB-S//  
USCINCEUR VAHINGEN GE //ECJ2/ECADP-O//

UNCLAS

QQQQ

SECTION 01 OF 02

BGEN CLAPPER SENDS TO LTGEN PERROOTS AND INFO FOR LTG WEINSTEIN  
SUBJ DEPENDENCIES ON DIA FOR DODIIS STANDARD PRODUCT LINE

A. COMUSKOREA MSG DTG 190131Z APR 86, SAB.

B. KDCH MSG DTG 111805Z JUN 86, SUBJ: KISS REQUIREMENT FOR BULK  
DATA  
LOAD.

C. KDCH MSG DTG 200140Z NOV 86, SUBJ: KISS REQUIREMENT FOR BULK  
DATA  
LOAD.

D. COMUSKOREA MSG DTG 030141Z DEC 86, SUBJ: REQUEST FOR TOPCAT  
DODIIS STANDARD HARDWARE AND SOFTWARE..." THE KISS MANAGEMENT PLAN  
IDENTIFIES DIA AS "THE DODIIS VALIDATION AUTHORITY FOR INTELLIGENCE  
DATA HANDLING SYSTEMS (IDHS), (AND) DIA WILL BE REQUESTED TO  
COORDINATE DODIIS STANDARDIZATION FOR KISS." THE KISS PROGRAM HAS  
FOLLOWED THE DODIIS GUIDANCE REGARDING STANDARD DODIIS PRODUCTS AND,  
SPECIFICALLY, HAS BEEN GUIDED AWAY FROM THE "LEADING EDGE" OF THE  
"STATE OF THE ART" IN ORDER TO AVOID INHERENT PROBLEMS & RISKS  
ASSOCIATED WITH THAT TYPE OF DEVELOPMENT. WE HAVE REPEATEDLY STATED  
THAT WE ARE AFTER PROVEN, OFF THE SHELF TECHNOLOGY THAT REQUIRES  
LITTLE TO NO EFFORT IN INSTALLATION. WITHIN THIS FRAMEWORK, WE HAVE  
BEEN CONSERVATIVE IN OUR DEVELOPMENT EFFORT AND HAVE ATTEMPTED TO USE  
GOVERNMENT FURNISHED HARDWARE (I.E), THE DODIIS PRODUCT LINE)  
WHEREVER  
POSSIBLE.

B. IN DOING THIS, WE HAVE ATTEMPTED TO MAINTAIN A STEADY LIAISON  
WITH

DIA IN ORDER TO INSURE THAT WE UNDERSTAND THEIR DESIGN AND THAT THEY  
UNDERSTAND OURS. IN ADDITION, REF A EMPHASIZED OUR DEPENDENCIES ON  
THE DODIIS STANDARD PRODUCT LINE. IN RECENT MONTHS, WE HAVE SENT  
SEVERAL MESSAGES (REF B-1) REGARDING DODIIS ISSUES AND HAVE RECEIVED  
A RESPONSE ON ONLY ONE (REF J), WHICH TOLD US THAT THE DOCUMENTATION  
AND IMPLEMENTATION OF THE DODIIS PROTOCOL SUITE WAS NOT CONSISTENT  
ALGORITHMS.

E. KDCH MSG DTG 152115Z JAN 87, SUBJ: SITE SUPPORT UNDER DIA DODIIS  
INTEGRATION CONTRACT.

F. COMUSKOREA MSG DTG 142450Z JAN 87, SUBJ: DODIIS STANDARD  
CONFIGURATION.

G. KDCH MSG DTG 172015Z MAR 87, SUBJ: REQUEST STATUS ON KISS  
REQUIREMENT FOR BULK DATA LOAD.

H. COMUSKOREA MSG DTG 270251Z JAN 87, SUBJ: DEPENDENCIES ON DIA FOR  
DODIIS STANDARD PRODUCT LINE AND INTEGRATED DATA BASE.

I. KDCH MSG DTG 172023Z FEB 87, SUBJ: ACCREDITATION OF DEVELOPMENT  
SYSTEM.

J. DIA MSG DTG 172018Z FEB 87, SUBJ: MODIFICATION OF FILE TRANSFER  
PROTOCOL (FTP) WITHIN DODIIS COMMUNITY.

\*\*\* REDUCE MSGS 30% BY APRIL 1987 OR FACE CHARGEBACK \*\*\*

ACTION DAMI(1)

(8,F)

INFO AOC-DAMI WATCH(1) SCB REVIEW(1)

MCN=87085/30624 TOR=87085/1840Z TAD=87086/0503Z CDSN=MAD411

ARMY SECTIONAL MSG

PAGE 1  
240130Z MAR 87  
02 SECT MSG

UNCLASSIFIED

1. I WOULD LIKE TO TAKE THIS OPPORTUNITY TO FILL YOU IN ON THE EVENTS WHICH HAVE OCCURRED REGARDING OUR DEVELOPMENT OF THE KOREAN INTELLIGENCE SUPPORT SYSTEM (KISS), AS THEY ARE AFFECTED BY THE DODIIS ARCHITECTURE.

A. A PROGRAM OBJECTIVE, AS STATED IN PARAGRAPH 3 OF THE KISS MANAGEMENT PLAN, IS THAT "KISS WILL MAXIMIZE THE INCORPORATION OF EXISTING COMPUTER TECHNOLOGIES"; FURTHER, THAT "KISS WILL UTILIZE AND IT WOULD BE UP TO US TO FUND FOR THE SOFTWARE REQUIRED TO MAKE THE TWO COMPATIBLE. THIS WAS NOT A PROGRAMMED COST NOR ANTICIPATED IN OUR SCHEDULE. THE FOLLOWING IS A SUMMARY OF UNANSWERED MESSAGES:

REF B: KISS REQUIREMENT FOR BULK DATA LOAD, 111805Z JUN 86

- REQUIRED INFO ON LAYOUT OF DIA FILES.
- NECESSARY FOR KISS FILE DESIGN.

REF C: KISS REQUIREMENT FOR BULK DATA LOAD, 200140Z NOV 86

- SAME AS ABOVE.

REF D: REQUEST FOR TOPCAT ALGORITHMS, 030141Z DEC 86

- NEEDED FOR SOFTWARE DESIGN.
- LACK OF RESPONSE CAUSED SLIPPAGE OF THIS ITEM TO RELEASE 3.

REF E: SITE SUPPORT UNDER DIA DODIIS INTEGRATION CONTRACT, 152115Z JAN 87

- REQUESTED TOTAL DODIIS INSTALLATION TO BE COMPLETED AT KDCH NLT 1 MAR.

REF F: DODIIS STANDARD CONFIGURATION, 142450Z JAN 87

- REQUESTED GUIDANCE REGARDING ONBOARD VS OFFBOARD PROTOCOL APPROACH.
- COULD COST PROGRAM A MILLION DOLLARS.

REF G: REQUEST STATUS ON KISS REQUIREMENT FOR BULK DATA LOAD,

UNCLAS

QQQQ

FINAL SECTION OF 02

172015Z MAR 87

- SAME AS REF B.

REF H: DEPENDENCIES ON DIA FOR DODIIS STANDARD PRODUCT LINE AND INTEGRATED DATA BASE, 270251Z JAN 87

- WILL COST OUR PROGRAM SEVERAL HUNDRED THOUSAND DOLLARS.

REF I: ACCREDITATION OF DEVELOPMENT SYSTEM, 172023Z FEB 87

C. IN ADDITION TO THESE REQUESTS, WE HAVE ALSO BEEN TRYING TO GET AFIS AND DIA TO UNDERSTAND OUR REQUIREMENT FOR, AND DEPENDENCY ON, MAXI TELECOMMUNICATIONS SOFTWARE CRITICAL FOR DODIIS IMPLEMENTATION (REF F). TO DATE, WE HAVE SEEN NO GUIDANCE FROM DIA TO AFIS REGARDING THIS ISSUE. IN FACT, AFIS HAS TAKEN AN APPROACH (DNAS) WHICH IS ABSOLUTELY CONTRARY TO DIA'S PREVIOUS IMPLEMENTATION GUIDANCE. WE REQUIRE CLARIFICATION FROM DIA REGARDING THIS CONTRADICTION.

D. BASED ON THE IMPACTS OF THESE AND OTHER ISSUES, WE WERE ALREADY FORCED TO SLIP OUR SCHEDULE 6-12 MONTHS IN ORDER TO MEET THE DODIIS DEPENDENCIES, AND THIS DECISION IS CURRENTLY UNDER REVIEW DUE TO THE LACK OF OPERATIONAL PROTOCOL SOFTWARE AS DESCRIBED IN REF E.

E. THE LACK OF RESPONSE FROM DIA IS OF CRITICAL CONCERN TO THE PROGRAM. WE HAVE SIGNIFICANT CONCERNS NOW AS TO WHETHER THIS APPROACH WILL WORK AND FIND OURSELVES AT THE LEADING EDGE OF THE STATE OF THE ART. WE ARE NOW ASKING OURSELVES WHAT THE ALTERNATIVES ARE AND, BECAUSE OF FUNDING LIMITATIONS, HAVE FEW ANSWERS. WITHOUT A MORE OPEN DIALOGUE REGARDING DIA'S DIRECTION, WE WILL BE IN SERIOUS PROGRAMMATIC TROUBLE AND COULD CONCEIVABLY BE IN DEFAULT OF OUR CONTRACT.

2. ALTHOUGH THIS REPORT MAY READ VERY NEGATIVELY, MY PEOPLE HAVE BEEN VERY APPRECIATIVE OF THE WORK YOUR PEOPLE HAVE DONE AND HAVE SHARED

PENTAGON  
OPERATIONS DIRECTORATE

THE FRUSTRATIONS THAT ALL INVOLVED FEEL IN GETTING THIS MAJOR EFFORT COMPLETED. I WOULD LIKE TO ASK, HOWEVER, THAT A MORE RESPONSIVE DIALOGUE BE ESTABLISHED SO THAT DECISIONS REGARDING OUR PROGRAM CAN BE MADE WITHOUT SUCH A SEVERE IMPACT ON SCHEDULE AND COST. WE ARE STILL DANGLING ON SOME MAJOR IMPLEMENTATION QUESTIONS AS MENTIONED ABOVE THAT COULD COST US DEARLY. YOUR PERSONAL SUPPORT IN PROVIDING SOME ANSWERS TO THESE QUESTIONS BY 1 APR WOULD BE GREATLY APPRECIATED.  
WARM REGARDS, JIM. BT

UNCLASSIFIED

PRIORITY/ROUTINE

ZYUW RUHHHMA3021 0990256

P R 080116Z APR 87

FM KDCH FT SHAFTER HI

TO DIA WASHINGTON DC //RSM/RSE/VP-S//

INFO HQ DA WASH DC//DAMI-AM//

USCINCPAC HONOLULU HI //J27//

COMUSKOREA INTEL CP TANGO KOR //BJ-KISS//

COMIPAC HONOLULU HI //DS//

CINCUSAREUR HEIDELBERG GE //AEAGB-S//

USCINCEUR VAHINGEN GE //ECJ2/ECADP-O//

HQ AFIS BOLLING AFB //IN/IND//

*Andy Mitchell  
sent this message to  
document what he  
talked about with*

UNCLAS

QQQQ

SECTION 01 OF 03

SUBJ DODIIS DEPENDENCIES DISCUSSION, 3 APR 1987

A. REF DISCUSSIONS AT KDCH ON 3 APR 87 WITH MESSRS. WALKER, DAVIDSON ET AL.

1. REFERENCED DISCUSSION FOCUSED ON THREE AREAS OF INTEREST: GENERAL CONCERNS, IMMEDIATE DEPENDENCIES, AND FUTURE DEPENDENCIES OF THE KISS PROGRAM TO THE DODIIS NETWORK DEVELOPMENT EFFORT. THIS MESSAGE REITERATES THE ISSUES RAISED DURING THE DISCUSSIONS IN AN EFFORT TO INSURE THAT ALL INVOLVED ARE APPRISED OF THE PROGRAM IMPACTS ASSOCIATED WITH DODIIS DEPENDENCIES.

2. GENERAL CONCERNS. KISS IS EMPLOYING DODIIS NETWORK SOFTWARE IN A LOCAL OR INTRA-SITE ENVIRONMENT AS THE FOUNDATION OF THE KISS DEVELOPMENT PROGRAM AND TO INTEGRATE THE VARIOUS KISS SYSTEM COMPONENTS. THE CURRENT DODIIS IMPLEMENTATION OF THE NETWORK SOFTWARE, HOWEVER, IS FOCUSED ON THE MINIMAL FUNCTIONAL AND PERFORMANCE NEEDS OF A REMOTE ACCESS ENVIRONMENT. CONSEQUENTLY, WE HAVE IDENTIFIED THE FOLLOWING GENERAL ISSUES:

A. NETWORK AND APPLICATION SOFTWARE INTEGRATION ISSUES ARE MORE CRITICAL IN OUR LOCAL ENVIRONMENT THAN THEY ARE WITH REMOTE CONNECTIVITY. A USER IS USUALLY NOT DISTURBED BY INCONSISTENCIES BETWEEN THE WAYS HE ACCESSES DIFFERENT REMOTE APPLICATIONS OR THAT HE MUST ACCESS A REMOTE APPLICATION DIFFERENTLY FROM THE WAY HE ACCESSES HIS LOCAL APPLICATIONS; HE EXPECTS, HOWEVER, MORE CONSISTENCY AND INTEGRATION AMONG THE INTERFACES TO HIS LOCAL APPLICATION SET.

B. NETWORK SOFTWARE CONTRIBUTIONS TO LOCAL SYSTEM APPLICATION RESPONSE TIMES MUST BE MINIMAL; I.E., NO MORE THAN 3 SECONDS RESPONSE MUST BE ATTRIBUTABLE TO NETWORK SOFTWARE WITHIN THE INTERVAL FROM REQUEST INITIATION THROUGH NETWORK TRANSITS TO EFFECTIVE SYSTEM RESPONSE.

C. THE ACCURACY AND COMPREHENSIVENESS OF USER AND PROGRAM INTERFACE DOCUMENTATION IS CRUCIAL, PARTICULARLY WHEN IT IS TO GUIDE A DEPENDENT SOFTWARE DEVELOPMENT WITH ANY HOPE OF SUCCESSFUL AND CORRECT OPERATION.

D. NETWORK SOFTWARE MUST ALSO WORK AS ADVERTISED AND DOCUMENTED, AND IT MUST BE STABLE ENOUGH FOR REPEATED AND CONTINUOUS USE WITHIN AN EFFECTIVE INTERACTIVE ENVIRONMENT FOSTERING USER CONFIDENCE IN AND RELIANCE ON SYSTEM CAPABILITIES.

E. USERS SEND-USERS AND PROGRAMMERS SHOULD NOT BE REQUIRED TO BE FAMILIAR WITH A RELEVANT MIL-STD IN ORDER TO USE ITS IMPLEMENTATION.

F. THE USUAL PROGRAM DEVELOPMENT DOCUMENTATION HAS BEEN LACKING FOR THE NETWORK SOFTWARE, FRUSTRATING ATTEMPTS TO UNDERSTAND WHAT IT'S SUPPOSED TO DO AND HOW IT'S SUPPOSED TO DO IT.

G. THERE ARE ALSO KISS PROGRAM CONCERNS FOR THE STABILITY OF THE SAFE IDB STRUCTURE DEFINITION AND THE AVAILABILITY OF OPERATIONAL DATA AND SIZING ESTIMATES. THE CURRENT LEVEL OF RESPONSIVE SUPPORT

\*\*\*

\*\*\*

ACTION DAMI (2)

(8,F)

INFO AOC-DAMI WATCH(1) SCB REVIEW(1)

MCN=87099/08684

TOR=87099/03572

TAD=87099/05062

CDSN=MAD582

ARMY SECTIONAL MSG

PAGE 1

080116Z APR 87

03 SEC MSG

UNCLASSIFIED

OPERATIONS DIRECTORATE

MUST CONTINUE, AND THERE MUST BE MORE FREQUENT PROGRAM STATUS COMMUNICATION.

3. IMMEDIATE DEPENDENCIES. THE KISS PROGRAM IS CURRENTLY IN THE DEVELOPMENT, TEST AND EVALUATION DT&E PERIOD FOR ITS RELEASE II CAPABILITIES. THE USER OF THE OBJECTIVE KISS RELEASE II SYSTEM WILL DIRECTLY ACCESS THE KISS MAXI FOR MESSAGES, ET CETERA AND, THROUGH MAXI, ESTABLISH A TERMINAL SESSION CONNECTION TO THE KISS IBM DATA BASE HOST TO PASS MESSAGES TO AND EXECUTE APPLICATION PROGRAMS. DODIIS NETWORK SOFTWARE IS CONSIDERED GFE SOFTWARE, FUNDAMENTAL TO THE DESIGN, INTEGRATION, AND OPERATION OF KISS RELEASE II. THE FOLLOWING ITEMS ARE THOSE IMMEDIATE DEPENDENCIES OF THE KISS RELEASE II DEVELOPMENT ON SEVERAL DODIIS NETWORK SOFTWARE COMPONENTS, ALL OF WHICH LESS THE SAFE IDB FILE CONTENTS WERE REQUIRED BY 1 MAR 1987:

A. THE YET UN-DELIVERED MAXI USER TELNET IS FUNDAMENTAL TO THE KISS RELEASE II CAPABILITY TO ESTABLISH AN INTERACTIVE TERMINAL SESSION BETWEEN A USER OF A KISS MAXI TERMINAL AND AN APPLICATION PROGRAM EXECUTING ON THE KISS IBM HOST. THE KISS USER ENVIRONMENT REQUIRES THAT ONE OR A FEW COPIES OF THE MAXI USER TELNET SOFTWARE OPERATE TO ESTABLISH AND MAINTAIN UP TO 40 SIMULTANEOUS INTERACTIVE TERMINAL SESSIONS. IT IS UNDERSTOOD THAT A PARTIALLY CORRECTED VERSION OF USER TELNET EXISTS AT IPAC. IT IS BELIEVED THAT THE IPAC FIXES ARE NOT PART OF THE MAXI BASELINE; FOR THIS SOFTWARE TO BE AN ALTERNATIVE FOR KISS, TIMELY AND CLOSE COORDINATION BETWEEN DIA AND AFIS WOULD BE REQUIRED TO INTEGRATE AND INCORPORATE THE CORRECTIONS INTO THE BASELINE. IN ANY CASE, AN IMPORTANT ENHANCEMENT TO MAXI USER TELNET WOULD BE FUNCTION KEY SUPPORT.

B. THE KISS DESIGN IS DEPENDENT UPON CERTAIN CAPABILITIES CONTAINED WITHIN SOFTWARE COMPONENTS KNOWN AS THE PACOM ENHANCEMENTS. THIS SOFTWARE WAS EXPECTED TO HAVE BEEN INCORPORATED INTO THE MAXI BASELINE; THE NEW MAXI BASELINE REPRESENTING THIS INCORPORATION HAS NOT BEEN DELIVERED. IT IS RECOGNIZED THAT THE PROGRAM HAS THE OPTION OF USING A LOCALLY ACQUIRED VERSION OF THIS SOFTWARE AS A SITE-UNIQUE ENHANCEMENT TO MAXI; THIS WOULD, HOWEVER, VIOLATE PM DIRECTIVES TO REMAIN WITHIN THE BASELINE.

C. THE IBM SERVER TELNET IS ALSO FUNDAMENTAL TO THE ESTABLISHMENT AND MAINTENANCE OF INTERACTIVE TERMINAL SESSIONS BETWEEN USERS OF KISS MAXI TERMINALS AND APPLICATIONS EXECUTING ON THE KISS IBM MVS/VTAM/M204 HOST. THE KISS USER ENVIRONMENT REQUIRES THAT THE IBM SERVER TELNET SUPPORT UP TO 40 SIMULTANEOUS INTERACTIVE TERMINAL SESSIONS ACCESSING A NUMBER OF M204 APPLICATION PROGRAMS. THE AVAILABLE IMPLEMENTATION'S SIGN-ON MECHANISM IS CONSIDERED INCONVENIENT AND UNNECESSARY IN THE CURRENT KISS SYSTEM-HIGH ENVIRONMENT, ALTHOUGH IT IS RECOGNIZED THAT IT MAY BE NECESSARY FOR FUTURE OPERATIONS WITHIN A COMPARTMENTED MODE ENVIRONMENT. IT IS ALSO CRUCIAL THAT ACCURATE AND COMPREHENSIVE DOCUMENTATION BE AVAILABLE TO

UNCLAS

QQQQ

SECTION 02 OF 03

GUIDE OPERATIONS TO TAILOR THE SOFTWARE FOR SITE-UNIQUE REQUIREMENTS.

D. THE YET UN-DELIVERED 211VV USER AND SERVER FTP SOFTWARE IS CRUCIAL

TO THE KISS OBJECTIVE CAPABILITY TO ALLOW THE USER TO TRANSFER A MESSAGE-IN-REVIEW FROM THE MAXI MESSAGE FILE TO THE KISS IBM HOST WHERE IT WOULD SUBSEQUENTLY BE PROCESSED BY A KISS APPLICATION PROGRAM FOR INCLUSION WITHIN A KISS M204 FILE. IT IS REQUIRED THAT THE 211VV USER FTP BE CAPABLE OF INITIATION BY AN IAS APPLICATION PROGRAM IN TRANSPARENT RESPONSE TO THE ACTION OF AN INTERACTIVE TERMINAL USER. THE KISS USER ENVIRONMENT ALSO REQUIRES THAT THIS SOFTWARE CONCURRENTLY SUPPORT FILE TRANSFER OPERATIONS RESULTING FROM UP TO 40 SIMULTANEOUS INTERACTIVE TERMINAL SESSIONS IN THE SINGLE DIRECTION FROM THE MAXI TO THE IBM WITH AN END-TO-END NETWORK SOFTWARE

ARMY SECTIONAL MSG

MCN=87099/08684

TDR=87099/0357Z

TAD=87099/0506Z

CDSN=MAD582

PAGE 2  
080116Z APR 87  
03 SECT MSG

UNCLASSIFIED

RESPONSE TIME OF NO MORE THAN 3 SECONDS FOR A 10,000 BYTE FILE, INCLUSIVE OF HAND-SHAKING. IT WILL BE A LATER PROGRAM REQUIREMENT TO

SUPPORT FILE TRANSFERS IN THE REVERSE DIRECTION.. IT IS ALSO RECOGNIZED THAT AN ALTERNATIVE TO THIS FILE-TRANSFER-BASED APPROACH TO

INTRA-HOST MESSAGE PASSING COULD HAVE BEEN BUILT UPON THE USE OF SMTP;

THIS TASK WAS FRUSTRATED BY THE NON-AVAILABILITY OF THE REQUIRED SOFTWARE AND DESIGN DOCUMENTATION AT THE NECESSARY POINT IN THE KISS DESIGN CYCLE.

5. AN IBM SERVER FTP IS REQUIRED TO RECEIVE THE FILES TRANSFERRED FROM THE KISS MAXI UNDER CONTROL OF THE 21V USER FTP. THE CURRENTLY AVAILABLE IMPLEMENTATION OF THE IBM SERVER FTP IS CONSIDERED INADEQUATE IN THAT 1 ITS INABILITY TO ESTABLISH DISTINCT STORAGE AREAS FOR EACH FILE RECEIVED CAUSES IT TO OVER-WRITE PREVIOUSLY RECEIVED FILES WITH A SUBSEQUENTLY RECEIVED FILE OF THE SAME NAME; 2 IT MAKES NO PROVISION FOR INITIATING OR INTERFACING TO A SITE-DEVELOPED APPLICATION PROGRAM TO PERFORM ANY REQUIRED POST-RECEIPT PROCESSING, SUCH AS THE KISS-REQUIRED STORAGE AND INDEXING WITHIN AN M204-CONTROLLED MESSAGE REFERENCE FILE FOR SUBSEQUENT USER REVIEW AND APPLICATION ACCESSIBILITY. THE NET EFFECT OF THESE TWO FUNCTIONAL UTILITY SHORTFALLS IS THAT KISS-UNIQUE SOFTWARE MUST BE DEVELOPED TO 1 ENSURE THAT 211VV USER FTP AND IBM SERVER FTP ARE SYNCHRONIZED AND COOPERATIVE 11 CREATING UNIQUE FILE NAMES FOR EACH FILE TRANSFERRED; 2 AND CREATE A POLLING MECHANISM TO FREQUENTLY I.E. SECONDS CHECK FOR THE EXISTENCE OF A NEWLY RECEIVED FILE.

F. THE KISS APPLICATION DEVELOPMENT CYCLE IS AT THE POINT WHERE THE PROGRAM MUST FREEZE THE DEFINITION OF ITS IDB STRUCTURE. IT IS RECOGNIZED THAT THE SAFE IDB FILE STRUCTURE DEFINITION, HOWEVER, MUST CONTINUE TO BE RESPONSIVE TO THE EVOLVING NEEDS OF ITS USERS. NEVERTHELESS, THE SAFE IDB FILE STRUCTURE MUST BE PLACED UNDER CONFIGURATION MANAGEMENT, NOT ONLY TO IDENTIFY AND MANAGE SAFE IDB STRUCTURE CHANGES AND IMPACTS, BUT ALSO TO PROVIDE A MECHANISM FOR RESPONSIVE, ACCURATE, AND UNAMBIGUOUS NOTIFICATION OF STRUCTURE CHANGES TO THOSE DEVELOPMENT PROGRAMS CONFORMING WITH AND DEPENDENT UPON THE SAFE IDB STRUCTURE.

G. THE KISS DEVELOPMENT PROGRAM MUST RECEIVE THE CONTENTS OF THE KOREA PORTION OF THE SAFE IDB FILES BY 1 JULY 1987 IN ORDER TO ACHIEVE THE CURRENT MILESTONE FOR THE INITIATION OF FORMAL TESTING. 4. FUTURE DEPENDENCIES. IN JUNE 1987, KISS WILL BE INITIATING THE DESIGN PERIOD FOR THE DEVELOPMENT OF ITS RELEASE III CAPABILITIES. THE OBJECTIVE RELEASE III CONFIGURATION WILL PROVIDE KISS USERS WITH WORKSTATIONS DIRECTLY CONNECTED TO THE KISS IBM HOST. HOST-CONNECTED USERS WILL BE ABLE TO DIRECTLY ACCESS IBM-RESIDENT APPLICATION PROGRAMS AND, THROUGH IBM- AND MAXI-RESIDENT NETWORK SOFTWARE, ACCESS THE KISS MAXI FOR MESSAGE REVIEW, MESSAGE TRANSFER TO THE IBM HOST, ET

CETERA. DODIIS NETWORK SOFTWARE WILL, AGAIN, BE GFE SOFTWARE, FUNDAMENTAL TO THE DESIGN, INTEGRATION, AND OPERATION OF KISS RELEASE III. THE FOLLOWING ITEMS ARE THOSE EXPECTED DEPENDENCIES OF THE KISS

RELEASE III DESIGN AND DEVELOPMENT ON SEVERAL DODIIS NETWORK SOFTWARE COMPONENTS, ALL OF WHICH ARE REQUIRED BY 1 SEPT 1987.

A. THE KISS RELEASE III CONFIGURATION WILL REQUIRE THE USE OF AN IBM USER TELNET TO ALLOW THE USER OF AN IBM HOST-CONNECTED WORKSTATION TO ESTABLISH AND MAINTAIN AN INTERACTIVE TERMINAL SESSION WITH THE KISS MAXI FOR MESSAGE REVIEW, MESSAGE TRANSFER FROM THE KISS MAXI TO THE IBM HOST, MESSAGE GENERATION AND DISSEMINATION, AND OTHER AMH FUNCTIONS. THE KISS USER ENVIRONMENT REQUIRES THAT THE IBM USER TELNET SUPPORT 40 SIMULTANEOUS INTERACTIVE TERMINAL SESSIONS.

B. TO COMPLETE THE REQUIRED CAPABILITY FOR HOST-CONNECTED WORKSTATION

ACCESS TO THE KISS MAXI, KISS ALSO REQUIRES A FULLY FUNCTIONAL MAXI

**UNCLASSIFIED**

UNCLASSIFIED  
OPERATIONS DIRECTORATE

SERVER TELNET. BY "FULLY FUNCTIONAL" IT IS MEANT THAT THE MAXI SERVER TELNET MUST PROVIDE TO THE HOST-CONNECTED WORKSTATION USER EXECUTING AN IBM USER TELNET INTERACTIVE TERMINAL SESSION ALL OF THE FUNCTIONALITY OF A MAXI DIRECTLY-CONNECTED OJ-389 OR DD8260, ALTHOUGH THE USER INTERFACE MAY BE DIFFERENT. OF PARTICULAR CONCERN WITH REGARD TO KISS RELEASE III FUNCTIONALITY IS THE ACCESSIBILITY AND UTILITY OF MAXI TEXT-EDITING FUNCTIONS. NOTE THAT FUTURE WORKSTATION-CONNECTIVITY EVOLUTION WILL REQUIRE THIS CAPABILITY FOR NETWORK-CONNECTED WORKSTATIONS.

UNCLAS

QQQQ

FINAL SECTION OF 03

C. THE DISCUSSION OF DEPENDENCIES SO FAR HAS ASSUMED THE SO-CALLED IN-BOARD APPROACH; THAT IS, PROTOCOL SOFTWARE RESIDENT ON EITHER THE 21V OR THE IBM. THE ALTERNATIVE OUT-BOARD APPROACH, REPRESENTED BY THE AFIS DNAS, IS NOT AN OPTION FOR THE RELEASE II DELIVERY OF KISS, IF CURRENT SCHEDULES ARE TO BE MAINTAINED. THE DNAS IS AN OPTION FOR INTRA-SITE CONNECTIVITY FOR KISS RELEASE III, PROVIDED THAT THE NECESSITY FOR THIS PROGRAMMATIC CHANGE IN DIRECTION IS RESOLVED. SUCH MOTIVATIONS INCLUDE THAT THERE IS NO COMMUNITY EXECUTIVE AGENT TO SUPPORT AND MAINTAIN THE IN-BOARD SOFTWARE, OR THAT THE IN-BOARD SOFTWARE IS, BY DESIGN OR PERFORMANCE, EFFECTIVELY INCAPABLE OF SUPPORTING THE KISS REQUIREMENT FOR 40 SIMULTANEOUS INTERACTIVE TERMINAL SESSIONS. THE KISS RELEASE III DESIGN AND DEVELOPMENT SCHEDULE THEN BECOMES HOSTAGE TO THE AFIS SCHEDULE FOR THE PRODUCTION AND DISSEMINATION OF MAXI DNAS DESIGN AND INTERFACE DOCUMENTATION, AND LATER SOFTWARE; AS WELL AS THE EFFORT REQUIRED TO CONVERT THE KISS RELEASE II SOFTWARE, ALREADY WELL-ALONG IN ITS DT&E SCHEDULE, FROM A COMPLETED DESIGN BASED ON WHAT HAD BEEN BELIEVED TO BE THE COMMUNITY-STANDARD APPROACH TO THE AFIS-STANDARD APPROACH.

D. ABSENT THE CURRENT AVAILABILITY OF A MAINTENANCE AND UPDATE CAPABILITY FROM THE SAFE PROGRAM, ORIGINALLY REQUIRED AS PART OF THE KISS RELEASE II DELIVERABLE, THE KISS PMO DEVISED A PALLIATIVE INTERIM APPROACH BASED ON WORKSHOP 204. THIS IS A MANUALLY INTENSIVE CAPABILITY BEYOND THE KEN OR CONCERN OF THE MAJORITY OF INTELLIGENCE ANALYSTS, AND WITH LITTLE PROTECTION FOR, IF NOT OUTRIGHT RISK TO, DATA BASE INTEGRITY. THE OBJECTIVE KISS RELEASE III DELIVERY INCLUDES A MORE UTILITARIAN DATA BASE MAINTENANCE CAPABILITY WHICH WOULD ALLOW THE ANALYSTS TO DIRECTLY, AND WITH INTEGRITY-PROTECTION, UPDATE THE DATA BASE AS WELL AS ALLOW THE SYSTEM TO ACCEPT MIIDS-TYPE UPDATES IN THE ANTICIPATED MIIDS UPDATE-TRANSACTION FORMAT. IT IS ALSO EXPECTED THAT THIS UPDATE TRANSACTION CAPABILITY WILL BE FUNDAMENTAL TO KISS SUPPORT FOR INTEROPERABILITY WITH ASAS, KAIS, IPAC, AND STAND-ALONE WORKSTATIONS. IT FURTHER REMAINS UNCLEAR WHETHER TRANSPORTABILITY OF IDB QUERY AND MAINTENANCE SOFTWARE DEVELOPED UNDER THE SAFE PROGRAM WILL BE COMPLICATED BY THE NECESSITY TO USE TWO DATA DICTIONARIES, ONE BASED ON DICTIONARY 204 AND ONE BASED ON A TRW-DEVELOPED DICTIONARY PACKAGE. THIS PROBLEM WAS IDENTIFIED AT THE SAFE PDR AS A SIGNIFICANT IMPACT ON TRANSPORTABILITY, INTRA-SYSTEM SOFTWARE INTEGRATION, MAINTAINABILITY POTENTIAL CONTRACTING ISSUE, THE COMPLEXITY OF THE DBA'S DUTIES, AND MIGRATION TO CCA M204 UPGRADES.

E. THE KISS RELEASE II SUPPORT FOR CED REQUIREMENTS MANAGEMENT DOES NOT INCLUDE THE CAPABILITY TO PROJECT, DISPLAY, AND ANALYZE COVERAGE DUE TO THE NON-AVAILABILITY OF THE REQUIRED ALGORITHMS. THESE CAPABILITIES WERE DEFERRED TO RELEASE III; ACCORDINGLY, THERE IS A REQUIREMENT TO OBTAIN DESIGN AND INTERFACE DOCUMENTATION FOR THESE ALGORITHMS FROM THE APPROPRIATE OPR.

F. TO SUPPORT THE TRANSFER OF MESSAGES GENERATED WITH APPLICATION PROGRAM SUPPORT FROM THE IBM HOST TO THE MAXI FOR SUBSEQUENT AUTODIN FORMATTING AND DISSEMINATION, THE KISS DEVELOPMENT WILL REQUIRE IBM USER FTP AND 21V SERVER FTP SOFTWARE. THE IBM USER FTP MUST BE INVOKABLE THROUGH AN APPLICATION PROGRAM INTERFACE; THE 21V SERVER FTP MUST BE INITIATED WHEN THE FILE HAS BEEN RECEIVED FROM THE IBM

MCN=87099/08684

TOR=87099/0357Z

TAD=87099/0506Z

CDSN=MAD582

PAGE 4

080116Z APR 87  
03 SECT MSG

UNCLASSIFIED



UNCLASSIFIED

OPERATIONS DIRECTORATE

HOST, AND MUST BE ABLE TO MAKE THE FILE KNOWN TO THE MAXI AMH SOFTWARE. BOTH OF THESE WILL BE REQUIRED REGARDLESS OF WORKSTATION CONNECTIVITY: A WORKSTATION USER COULD BE USING THE CED

HOST-RESIDENT

APPLICATION PROGRAM TO GENERATE A LONG PARAMETRIC TASKING MESSAGE, OR HE COULD BE USING THE WORKSTATION-RESIDENT WORD-PROCESSING CAPABILITIES TO COMPOSE A TEXT MESSAGE.

G. MAXI- AND IBM-BASED SMTP SOFTWARE MAY BE REQUIRED TO SUPPORT ANALYST-TO-ANALYST COMMUNICATIONS.

H. THE CAPABILITY TO RECEIVE AND SEND BULK DATA FILE TRANSFERS VIA DODIIS WILL BE REQUIRED TO SUPPORT POTENTIAL REQUIREMENTS FOR INTEROPERABILITY.

5. WE APPRECIATE THIS OPPORTUNITY TO DETAIL OUR INTEGRATION OF THE DODIIS NETWORK CAPABILITIES INTO KISS SOFTWARE DESIGN. WE FEEL THAT THIS DIALOGUE HAS DEMONSTRATED/CLARIFIED THE DEPENDENCY OF THE KISS CAPABILITIES AND SCHEDULE ON THE FUNCTIONALITY, QUALITY, AND AVAILABILITY OF THE DODIIS NETWORK SOFTWARE. AS WE AGREED AT REF, THESE ISSUES MUST BE ADDRESSED IMMEDIATELY IN ORDER TO IDENTIFY SCHEDULE AND COST IMPACTS. WE FULLY UNDERSTAND THE MAGNITUDE AND COMPLEXITY IN THE RESOLUTION OF THESE ISSUES AND, FURTHER, THAT WE MAY NOT BE ABLE TO ACCOMPLISH ALL OF THEM. WE STAND PREPARED TO MAKE SUBSTANTIVE PROGRAMMATIC RE-DIRECTION AS REQUIRED.

6. POC IS MAJ A.D. MITCHELL COM 808438-1570 AV 315-438-1570. BT

ARMY SECTIONAL MSG MCN=87099/08684 TOR=87099/0357Z TAD=87099/0506Z CDSN=MAD582

UNCLASSIFIED

PAGE 5 OF 5  
080116Z APR 87  
03 SECT MSG